

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200003

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-7030-600
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3559.7 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

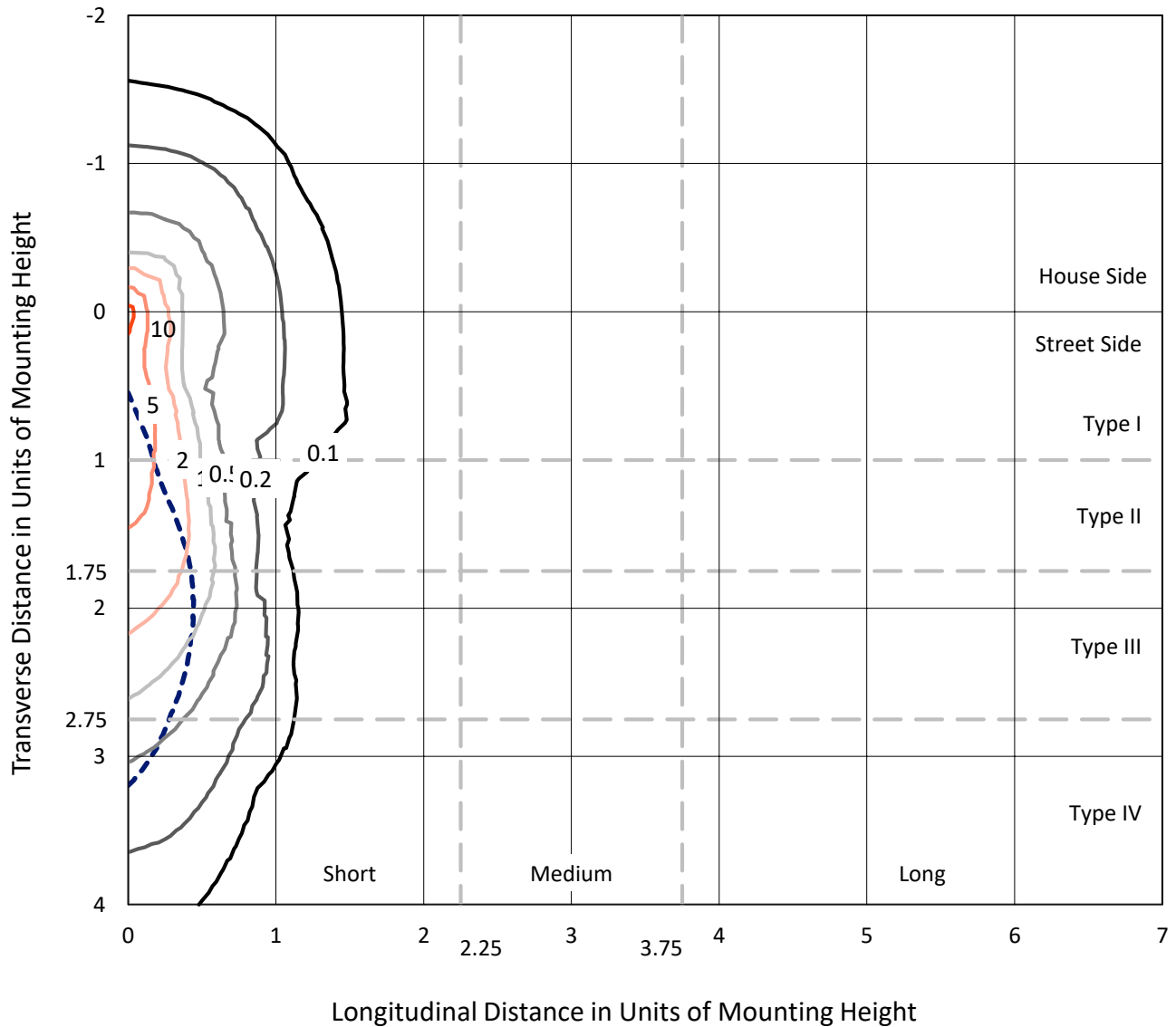


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Iso-Footcandle Lines of Horizontal Illumination

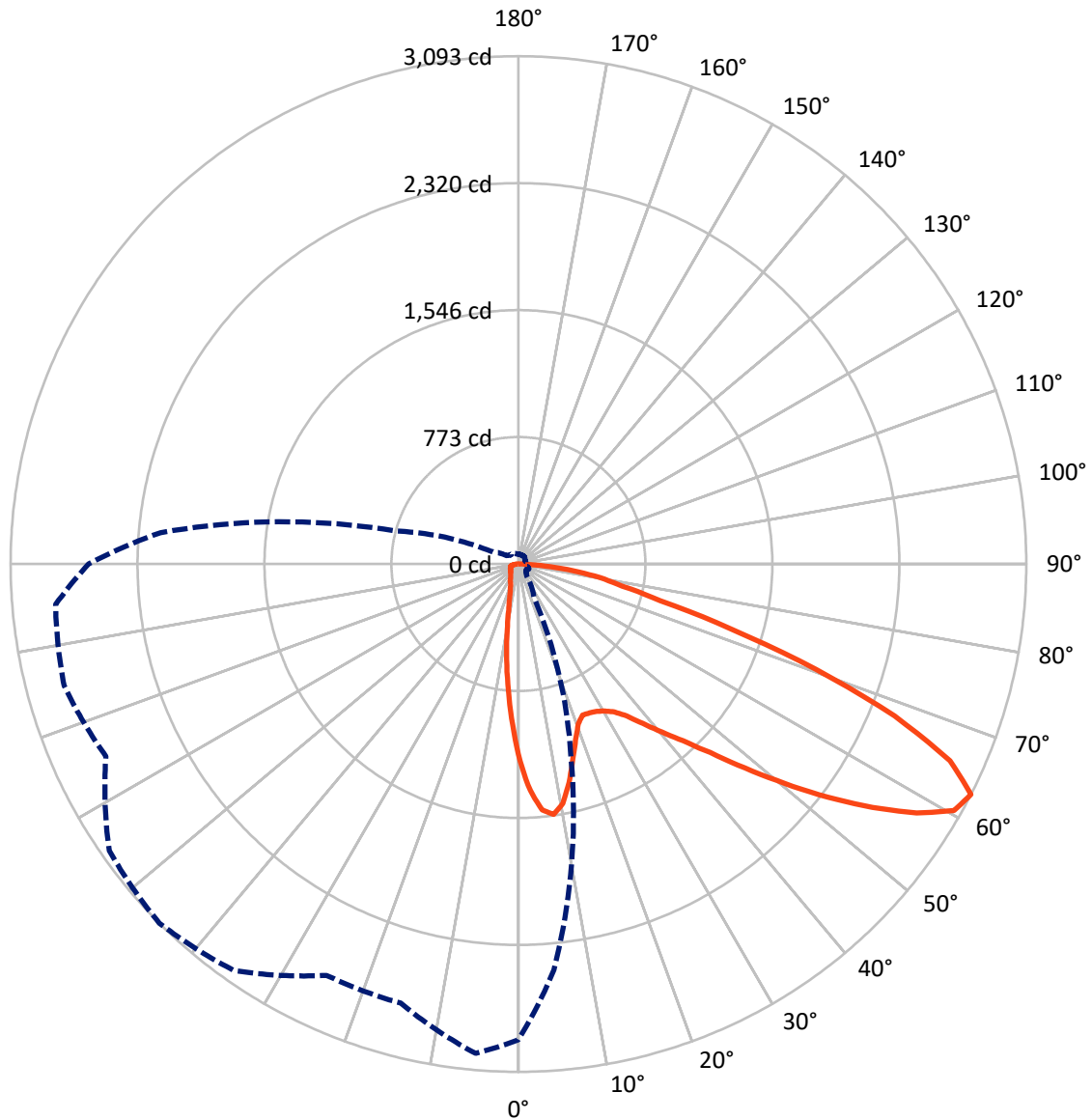
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	589.1	0.0	589.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2970.6	0.0	2970.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	3559.7	0.0	3559.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.5
10°-20°	160.5	4.5
20°-30°	234.1	6.6
30°-40°	360.5	10.1
40°-50°	530.5	14.9
50°-60°	778.2	21.9
60°-70°	869.9	24.4
70°-80°	425.9	12.0
80°-90°	112.4	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3559.7	100.0
0°-180°	3559.7	100.0



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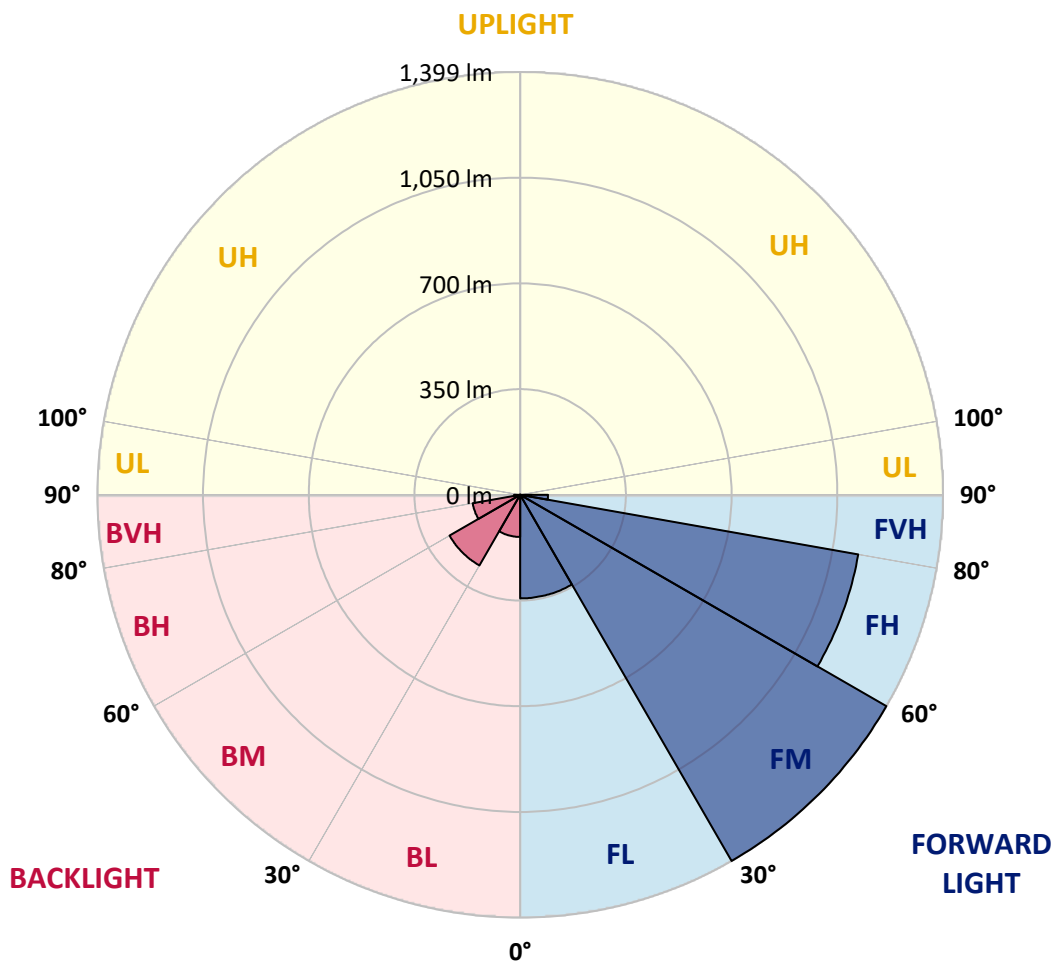
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.8	9.6			
FM (30°-60°)	1399.3	39.3			
FH (60°-80°)	1136.1	31.9			G1/1800
FVH (80°-90°)	92.3	2.6			G1/100
BL (0°-30°)	139.4	3.9	B1/500		
BM (30°-60°)	269.9	7.6	B1/1000		
BH (60°-80°)	159.7	4.5	B1/500		G1/500
BVH (80°-90°)	20.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1249.6	1224.1	1181.8	1137.8	1111.0	1079.8	1055.3	1033.8	990.8	982.4	989.9
5°	1175.1	1124.0	1044.3	964.1	910.6	853.4	808.7	772.9	718.4	708.8	720.3
7.5°	1055.5	994.5	889.2	786.7	711.3	639.7	591.5	553.2	510.6	492.1	493.3
10°	952.4	883.5	759.1	647.7	585.8	537.5	497.0	457.7	414.4	386.1	378.2
12.5°	894.7	815.4	672.0	572.5	515.2	464.4	420.7	378.7	332.4	303.5	295.3
15°	884.7	798.5	639.2	524.5	452.7	388.2	336.7	289.7	242.2	218.7	213.9
17.5°	927.9	828.7	628.7	481.7	393.7	314.2	251.1	198.7	159.8	148.1	147.2
20°	1010.8	886.6	627.3	441.3	335.7	242.4	175.0	136.8	119.7	116.5	116.6
22.5°	1127.3	976.4	644.2	411.0	282.2	180.9	131.5	114.5	107.8	104.7	104.7
25°	1278.0	1100.1	682.9	388.9	235.8	144.4	116.1	105.9	99.7	97.5	97.8
27.5°	1423.9	1220.4	727.8	371.4	205.5	131.1	110.1	100.7	95.3	93.1	94.1
30°	1537.9	1327.3	765.5	347.8	190.0	127.4	112.1	102.7	94.9	91.6	91.8
32.5°	1632.2	1420.8	797.0	330.7	176.4	109.2	96.7	92.6	91.6	87.6	85.7
35°	1752.7	1522.7	818.2	331.0	169.9	97.5	86.1	78.8	73.5	69.1	69.1
37.5°	1894.0	1639.8	840.6	335.7	167.5	90.5	82.4	75.2	70.3	66.0	65.1
40°	2033.8	1754.4	861.2	339.9	166.2	86.6	79.4	72.7	68.3	64.0	62.9
42.5°	2152.5	1848.7	879.5	342.1	161.4	86.1	77.2	71.2	66.9	62.3	61.0
45°	2240.4	1927.9	899.3	345.4	156.8	87.6	77.2	71.0	65.8	61.3	60.1
47.5°	2318.8	2020.6	932.4	345.4	151.1	84.6	79.9	71.2	65.5	60.8	59.9
50°	2423.9	2147.8	995.1	337.4	143.0	81.6	84.1	70.5	63.8	60.1	58.9
52.5°	2568.6	2310.9	1094.4	323.4	130.7	75.5	83.6	70.0	62.1	58.1	56.7
55°	2739.9	2485.3	1202.8	307.2	112.3	71.2	80.7	69.1	60.1	55.7	54.4
57.5°	2873.5	2605.5	1279.2	282.2	96.2	68.9	71.4	68.1	57.7	53.2	52.0
60°	2926.7	2600.8	1300.0	248.7	88.5	66.9	62.4	76.3	55.7	51.3	49.9
62.5°	2898.0	2480.6	1241.4	225.2	86.7	64.4	58.5	70.7	54.2	49.9	48.0
65°	2765.2	2267.7	1085.8	218.9	91.8	61.8	55.9	55.4	52.0	48.0	46.0
67.5°	2475.7	1949.5	869.3	219.5	98.3	59.3	53.4	50.7	49.1	45.8	44.0
70°	2016.5	1541.3	648.1	221.1	101.6	56.4	50.7	47.7	46.0	42.6	41.5
72.5°	1482.6	1187.9	470.8	211.0	102.1	53.0	47.0	44.5	42.6	39.2	38.1
75°	1014.4	908.7	326.5	174.7	89.0	48.3	42.8	40.5	39.4	35.1	34.4
77.5°	741.0	682.1	209.0	129.7	68.8	42.5	37.8	36.0	35.2	30.5	29.7
80°	594.7	539.6	130.7	88.8	50.3	35.6	31.6	30.7	29.9	25.2	24.7
82.5°	412.5	361.4	83.9	57.7	37.8	27.7	25.0	24.7	23.5	19.2	18.6
85°	217.7	196.2	53.2	39.4	27.5	19.0	17.4	17.4	16.8	12.7	12.3
87.5°	27.8	45.3	27.0	20.5	15.1	8.4	8.4	8.2	8.8	7.2	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	972.0	981.3	972.3	973.0	982.9	1012.7	1026.2	1037.3	1049.2	1057.1	1060.6
5°	704.4	726.3	733.7	749.4	772.6	810.4	825.6	836.5	843.8	848.1	849.8
7.5°	481.8	495.1	509.9	535.2	585.5	607.8	617.8	615.2	607.1	604.1	601.2
10°	363.2	358.0	355.2	369.1	409.7	432.2	439.3	432.4	428.0	429.0	433.9
12.5°	281.4	272.2	261.0	259.5	286.3	306.5	311.0	311.3	319.6	326.8	337.5
15°	205.1	204.1	198.7	195.2	210.6	227.0	228.9	232.5	240.0	245.2	254.6
17.5°	144.7	149.9	154.2	156.3	167.9	179.6	177.4	175.7	174.4	174.4	178.8
20°	116.6	120.1	125.6	131.8	143.6	151.9	146.5	139.6	134.4	132.9	133.4
22.5°	105.1	107.8	110.9	116.5	127.0	132.6	127.0	122.0	116.8	115.0	114.5
25°	99.2	102.7	105.7	109.8	117.6	121.5	116.1	112.3	109.2	107.1	105.4
27.5°	95.9	99.0	99.8	101.7	108.3	111.9	109.2	107.6	105.7	103.7	101.7
30°	92.4	91.8	90.3	90.5	95.9	99.4	99.2	99.7	99.4	98.8	98.5
32.5°	84.3	83.1	82.0	83.1	88.1	91.2	91.3	92.3	92.3	92.0	93.5
35°	70.3	72.4	73.8	77.2	83.1	85.9	84.6	82.8	79.2	77.1	76.9
37.5°	65.0	65.3	67.7	72.5	79.1	81.6	79.9	75.4	72.9	72.5	73.2
40°	62.4	62.9	64.1	68.8	75.2	77.7	76.2	72.7	70.7	70.5	71.4
42.5°	60.6	61.0	61.8	65.0	70.3	73.4	73.5	71.2	68.8	68.9	69.8
45°	59.6	59.9	59.6	61.3	66.1	69.8	71.4	69.8	67.7	68.1	69.3
47.5°	59.4	58.9	58.1	58.5	63.6	67.3	69.3	68.8	67.7	68.1	69.1
50°	58.7	57.4	56.4	56.2	61.3	65.1	66.9	66.9	67.3	68.1	69.1
52.5°	56.4	54.7	54.7	54.2	59.6	63.4	64.6	64.8	65.3	66.7	68.1
55°	53.4	52.9	53.4	52.5	58.5	62.1	62.6	63.1	63.4	64.6	66.5
57.5°	51.0	50.0	51.5	51.1	57.6	60.6	60.6	61.4	61.4	63.1	64.6
60°	49.5	48.0	48.5	48.9	56.2	59.4	59.1	59.9	60.3	61.6	62.9
62.5°	47.7	46.3	46.3	47.3	54.6	57.7	57.6	58.1	59.6	60.1	61.3
65°	45.6	45.1	44.5	45.6	53.0	55.7	55.9	56.7	58.1	58.5	59.4
67.5°	43.4	43.6	42.5	43.6	51.7	53.9	53.9	55.4	55.9	56.7	57.7
70°	41.1	41.3	40.3	41.6	50.7	51.7	51.5	53.6	54.0	54.6	55.6
72.5°	38.1	38.1	37.8	39.8	49.1	49.5	49.1	51.0	51.1	51.7	52.0
75°	35.1	35.1	34.6	37.3	48.2	47.2	46.0	47.3	47.7	48.2	48.2
77.5°	30.9	31.3	31.3	34.6	44.8	46.2	42.3	43.0	43.6	43.8	43.2
80°	25.7	26.8	27.2	31.4	37.5	42.6	37.8	38.4	38.6	38.6	37.8
82.5°	19.7	21.6	22.5	27.2	28.7	35.8	32.9	33.5	32.9	31.6	31.3
85°	13.6	16.1	17.3	20.8	21.8	27.7	27.5	27.5	26.2	24.7	24.5
87.5°	7.4	8.8	9.7	12.3	14.9	18.6	20.1	19.5	18.6	17.6	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1078.9	1105.6	1148.1	1180.5	1213.3	1244.7	1278.8	1304.8	1327.0	1335.4	1361.7
5°	867.6	901.0	941.0	1013.4	1064.7	1121.2	1186.5	1273.1	1306.3	1352.3	1427.7
7.5°	613.5	643.5	708.2	766.7	839.2	919.3	1007.6	1126.9	1170.6	1244.4	1367.1
10°	458.2	493.1	544.9	594.3	658.3	740.0	841.4	974.9	1027.9	1107.9	1249.3
12.5°	369.1	410.4	465.3	511.7	561.1	619.0	717.4	863.7	934.7	1004.8	1147.7
15°	283.5	326.8	377.8	436.7	491.3	553.6	656.6	816.7	898.5	971.6	1093.4
17.5°	196.2	233.3	297.6	359.0	429.0	508.6	639.8	826.8	924.5	1008.6	1102.9
20°	139.1	160.3	213.0	284.3	371.4	471.4	636.8	879.2	1006.2	1102.3	1163.2
22.5°	117.0	124.9	155.5	220.9	321.6	443.6	647.7	952.7	1116.5	1239.2	1259.2
25°	106.6	111.3	127.4	173.4	277.1	423.5	684.7	1062.3	1253.1	1376.2	1372.8
27.5°	100.9	105.9	116.5	146.4	243.6	411.0	721.6	1192.2	1409.3	1524.9	1481.1
30°	99.2	105.9	117.0	138.0	219.7	391.1	752.0	1306.3	1529.4	1625.3	1530.4
32.5°	97.8	98.8	103.9	119.0	197.1	368.1	772.6	1408.7	1647.1	1720.9	1601.4
35°	79.1	83.9	92.3	106.6	183.8	354.2	772.6	1497.0	1762.9	1817.3	1669.2
37.5°	76.2	80.5	87.6	100.0	176.4	347.3	757.0	1582.1	1881.2	1926.7	1724.8
40°	74.6	78.1	84.9	94.9	173.1	339.5	734.6	1657.3	1996.9	2036.3	1777.0
42.5°	73.4	76.5	82.9	91.8	169.1	330.9	716.4	1717.4	2097.3	2129.8	1826.7
45°	72.7	76.2	83.1	93.3	160.8	319.6	710.3	1782.7	2179.8	2207.8	1880.5
47.5°	72.7	76.7	84.1	96.7	151.1	307.8	729.3	1868.6	2258.0	2271.6	1943.8
50°	72.2	76.5	86.9	93.3	136.8	293.0	773.9	1976.7	2342.5	2344.0	2024.1
52.5°	71.0	76.2	93.5	91.3	120.3	273.3	834.2	2115.7	2467.5	2476.9	2149.7
55°	69.7	75.5	91.8	86.9	106.8	250.1	883.5	2284.6	2643.2	2669.3	2334.5
57.5°	67.8	74.8	88.8	80.7	98.0	220.1	901.3	2408.2	2765.9	2831.2	2542.7
60°	66.3	74.2	80.2	76.9	92.6	194.9	866.9	2383.8	2757.4	2898.4	2727.2
62.5°	64.8	74.8	73.2	74.6	90.0	178.6	776.9	2187.9	2618.0	2829.2	2864.0
65°	63.1	69.5	69.1	72.5	89.4	172.2	644.0	1894.2	2348.3	2610.2	2896.3
67.5°	60.6	64.1	66.1	70.0	91.3	166.5	519.7	1562.5	1973.7	2282.0	2727.9
70°	58.1	61.0	63.2	66.9	90.2	164.0	432.2	1232.2	1566.0	1870.3	2395.9
72.5°	54.7	57.4	59.3	62.9	89.0	162.6	365.2	992.3	1169.2	1389.3	1948.0
75°	51.0	53.2	54.6	58.1	85.3	148.9	287.1	839.6	874.8	966.5	1551.6
77.5°	46.3	48.2	49.2	53.2	75.5	123.9	207.6	647.7	679.4	701.7	1189.5
80°	41.1	42.8	43.4	47.2	62.6	96.9	135.4	478.4	508.2	513.3	776.9
82.5°	35.1	36.8	36.8	40.3	51.3	69.7	88.8	327.8	333.7	350.8	549.0
85°	28.2	29.5	29.5	31.3	39.8	52.0	61.0	164.6	162.8	185.8	475.8
87.5°	20.1	21.1	22.1	22.5	28.4	34.4	36.8	50.0	33.1	37.9	305.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6	1202.6
2.5°	1381.5	1392.6	1381.2	1373.1	1337.7	1308.5	1269.6	1249.6
5°	1485.1	1513.4	1503.9	1469.3	1395.4	1312.2	1217.7	1175.1
7.5°	1472.5	1538.5	1540.0	1475.6	1366.7	1244.1	1116.2	1055.5
10°	1375.0	1459.3	1483.4	1421.0	1305.4	1168.4	1021.7	952.4
12.5°	1266.2	1348.8	1367.2	1345.6	1249.1	1111.5	962.6	894.7
15°	1177.2	1214.2	1236.2	1254.9	1200.6	1088.8	959.2	884.7
17.5°	1122.9	1119.0	1125.2	1157.8	1167.0	1114.8	1010.1	927.9
20°	1103.4	1040.5	1039.0	1084.1	1151.1	1176.8	1109.5	1010.8
22.5°	1114.2	1012.4	999.5	1052.9	1159.6	1266.2	1239.9	1127.3
25°	1151.4	1014.8	1004.4	1056.1	1190.2	1361.6	1380.5	1278.0
27.5°	1209.9	1029.7	1016.0	1069.0	1230.6	1441.5	1519.0	1423.9
30°	1265.4	1055.5	1038.5	1094.4	1267.6	1473.3	1604.0	1537.9
32.5°	1333.0	1103.8	1073.9	1141.2	1313.4	1523.7	1679.8	1632.2
35°	1399.1	1172.7	1135.5	1213.5	1364.4	1586.6	1766.1	1752.7
37.5°	1471.7	1262.7	1232.0	1306.7	1434.3	1645.9	1876.5	1894.0
40°	1549.2	1382.1	1345.6	1443.0	1542.7	1720.2	1991.8	2033.8
42.5°	1627.3	1514.6	1471.0	1569.7	1662.0	1793.6	2090.4	2152.5
45°	1716.7	1658.3	1637.8	1744.5	1776.3	1863.4	2163.3	2240.4
47.5°	1820.8	1821.6	1854.6	1897.3	1891.9	1942.5	2236.4	2318.8
50°	1942.3	2025.3	2098.4	2126.6	2010.8	2027.5	2337.9	2423.9
52.5°	2088.3	2268.9	2359.4	2340.8	2139.0	2131.1	2498.9	2568.6
55°	2270.9	2526.8	2616.6	2603.3	2286.4	2272.4	2699.2	2739.9
57.5°	2482.2	2776.8	2859.4	2799.4	2463.2	2427.4	2865.0	2873.5
60°	2667.9	2974.7	3047.1	2980.8	2641.7	2592.4	2968.5	2926.7
62.5°	2771.3	3041.9	3092.7	3021.3	2763.9	2768.1	2991.2	2898.0
65°	2725.0	2872.2	2888.6	2882.8	2732.5	2870.0	2909.6	2765.2
67.5°	2472.2	2443.2	2470.9	2509.0	2462.4	2735.9	2683.5	2475.7
70°	2026.9	1867.8	1922.8	1948.4	1969.5	2354.2	2329.2	2016.5
72.5°	1527.5	1308.5	1352.0	1346.6	1444.5	1888.3	1811.4	1482.6
75°	1082.3	887.1	892.6	890.6	1007.9	1477.4	1311.6	1014.4
77.5°	757.2	642.8	645.7	657.8	677.6	1114.2	937.1	741.0
80°	520.7	487.9	504.1	505.0	469.6	748.4	692.2	594.7
82.5°	387.9	339.1	335.2	340.9	368.1	606.4	532.1	412.5
85°	317.6	200.8	161.4	202.3	326.2	600.5	353.4	217.7
87.5°	178.8	95.3	43.0	79.9	130.1	397.6	102.1	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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